

Gas Control System for Ladle Purging



1 General

The gas control station and the ladle purging plug define the Ladle Purging System. The gas control station provides all the required features and functions to design the purging process. For the process design, reproducibility, functionality and dynamics are important aspects, the design of the gas control system has to unify all required aspects.

Our product range of gas control systems is exactly what our customer want, because we design them according to their requirements.

The specification of the Flox[on] mass flow controllers cover the full range of Ladle Purging applications. Flox[on] mass flow controllers are specially designed to perform in the challenging environment of the steel industry.

2 Application

The specification and functions of the gas control stations are designed to fit for all ladle treatment applications:

- Purging at BOF tapping
- Purging at EAF tapping
- Ladle Furnace Purging
- VD and VOD Purging
- Purging at the RH Degaser

Functions and application can be combined in a single system to optimize investment costs and space requirement. Auxiliary systems like high pressure booster and emergency gas supply systems can easily get connected to the systems and are also part of our supply.

3 References

- Tata Steel Scunthorpe (England)
- BES Brandenburger Elektrostahlwerke GmbH (Germany)
- HES Henningsdorfer Elektrostahlwerke GmbH (Germany)
- Saarstahl AG (Germany)
- Salzgitter Flachstahl GmbH (Germany)
- Kind & Co. Edelstahlwerk (Germany)
- Yesilyurt (Turkey)

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